

ECS Configuration Change Request

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1. Originator Ron Parham	2. Log Date: 8/1/03	3. CCR #: 03-0540	4. Rev:	5. Tel: 0713	6. Rm #: 3108D	7. Dept. SE
8. CCR Title: Distribution and installation of IBM 4mm Tape Internal Tape Drive Units						
9. Originator Signature/Date Ron Parham /s/ 0 8/1/03			10. Class II	11. Type: CCR	12. Need Date: 8/11/03	
13. Office Manager Signature/Date James Mather 08/1/2003			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted: Hardware-Design Diagrams: 920-TDE-001, 920-TDG-001, 920-TDL-001, 920-TDN-001, 920-TDV-001, 920-TDP-001			17. Schedule Impact: N/A		18. CI(s) Affected: N/A	
19. Release Affected by this Change: N/A		20. Date due to Customer: 8/07/03		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) Current ECS firewall configuration supports hard disk mirroring and redundant power supply but no resource exists to backup total firewall configuration in the event of catastrophe. The potential impact of extended firewall downtime clearly identifies the need for a backup solution. Outstanding NCR ECSed34729 from GSFC.						
24. Proposed Solution: (use additional sheets if necessary) Distribution and installation of four 4mm internal tape drive units, one for each firewall currently deployed at the DAAC sites (GSFC, EDC, LaRC, NSIDC,). Installation instructions are provided so the individual DAAC sites can perform the hardware install.						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) This would delay the deployment of future operating system upgrades and COTS software onthe IBM firewall because no appropriate backup capability exists for system software.						
27. Justification for Emergency (If Block 15 is "Emergency"): N/A						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:	31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): Gary Gavigan /s/ 8/5/03		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

ADDITIONAL SHEET

CCR #: **Rev:** **Originator:** Ron Parham

Telephone: 301-925-0713 **Office:** SE

Title of Change: Distribution and installation of IBM 4mm Tape Internal Tape Drive Units

Goddard DAAC NCR
NCR ID: ECSed34729 Status: COST-ANALYZED Submitted: 020703
NCR Class: OPERATIONS Project: OPS_Sys_Engr Enclosures: 4

NCR TITLE...
GSFC/SMC: Request firewall backup capability

PROBLEM INFORMATION...	COST ANALYSIS INFORMATION...
Build Name[*]: Drop 6A.05	Cost[*]: LOW
Test Site[*]: GSFC DAAC	Estimated Fix Time(hrs): 2
Detection Method[*]: Customer Use	Estimated Fix Date(yymmdd): 020731
Detected-In-Phase[*]: DAAC Activity	Est Num_SLOC: 0
Test Case ID:	Revised Fix Time (Hrs): 2
Machine Name:	Revised Fix Date (yymmdd): 020731
Severity (1=Showstopper)[*]: 2	
Priority: 037 Priority Date: 200207	
High Priority: 037 Mode [*]:	
Trouble Ticket: SMC000000004464	
DAAC Trouble Ticket: GSF000000006950	
Submitter: rmumaw	

ANALYSIS INFORMATION...
Evaluate Engineer: plee
Assigned To: rparham
Analysis Due Date(yymmdd): 020712 Page 1/2

NCR Class: OPERATIONS Project: OPS_Sys_Engr
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***** Problem *****

Long Description :

Problem: Current ECS firewall configuration supports hard disk mirroring and redundant power supply yet no resource exists to backup total firewall configuration in the event of catastrophe. The potential impact of extended firewall downtime clearly identifies the need for a backup solution. IBM (AIX OS) platform supports both tape, preferably, and CDRW media as possible solutions.

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